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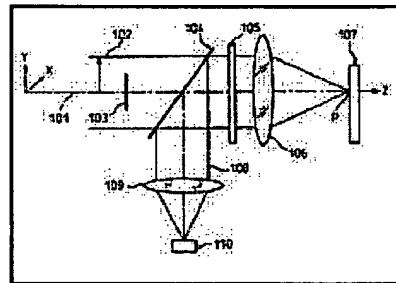
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Title: OPTICAL DEVICE

Abstract: An optical device capable of easily removing a side lobe or a side lobe component only from a light spot by super-resolution, the device comprising a shield device for shielding part of a first linearly polarized light, a polarized light beam splitter for transmitting the first linearly polarized light and reflecting a second linearly polarized light perpendicularly crossing the first linearly polarized light, a quarter-wavelength plate for converting the first linearly polarized light into a first circularly polarized light, converting the first circularly polarized light into the first linearly polarized light, and converting a second circularly polarized light in a turning direction opposite to that of the first circularly polarized light into the second linearly polarized light, a first condenser lens for generating a light spot on an optical disk and retroreflecting a light-spot-caused reflection light from the optical disk, and a second condenser lens for condensing a luminous flux reflected off the polarized light beam splitter onto a photodetector.



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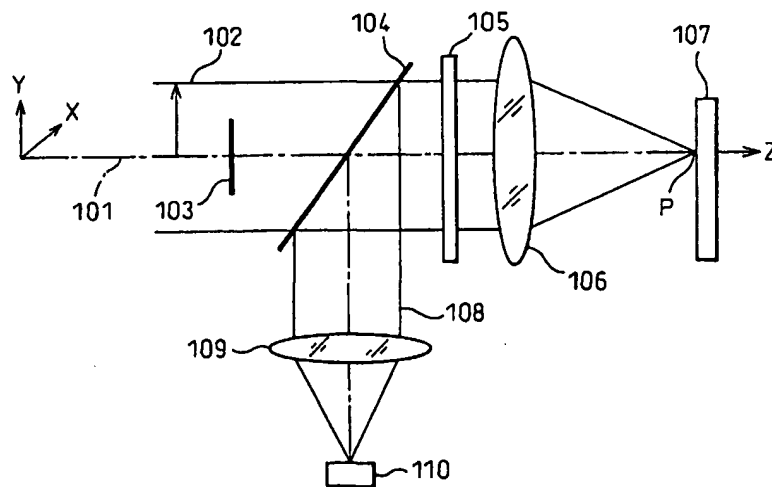
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(57) Abstract: An optical device capable of easily removing a side lobe or a side lobe component only from a light spot by super-resolution, the device comprising a shield device for shielding part of a first linearly polarized light, a polarized light beam splitter for transmitting the first linearly polarized light and reflecting a second linearly polarized light perpendicularly crossing the first linearly polarized light, a quarter-wavelength plate for converting the first linearly polarized light into a first circularly polarized light, converting the first circularly polarized light into the first linearly polarized light, and converting a second circularly polarized light in a turning direction opposite to that of the first circularly polarized light into the second linearly polarized light, a first condenser lens for generating a light spot on an optical disk and retroreflecting a light-spot-caused reflection light from the optical disk, and a second condenser lens for condensing a luminous flux reflected off the polarized light beam splitter onto a photodetector.

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